

# Converting Colors

YIQ(25.9570, 19.8950, 19.4070)

Have a look what the booklet for  
YIQ(25.9570, 19.8950, 19.4070)  
contains.

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# Color

**YIQ(25.9570, 19.8950,  
19.4070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	390825
RGB	57, 8, 37
RGB Percent	22%, 3%, 15%
CMY	0.7763, 0.9687, 0.8548
CMYK	0.00, 0.86, 0.35, 0.78
HSL	324°, 75%, 13%
HSV	324°, 86%, 22%
XYZ	2.1101, 1.1777, 1.8676
YIQ	25.9570, 19.8950, 19.4070

# Conversions

## Conversions Part 2

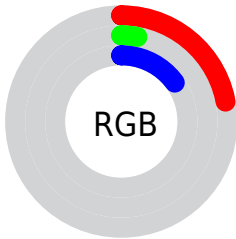
Format	Color
R <sub>Y</sub> B	57, 8, 37
Decimal	3737637
CIE Lab	10.39, 26.77, -6.07
CIE LCh	10, 27.447, 347.213
Yxy	1.1777, 0.4093, 0.2285
Android (android.graphics.Color)	4281927717 (0xFF390825)
YUV	25.9570, 5.4442, 27.2247
Hunter-Lab	10.8524, 15.7145, -2.6064

# Details

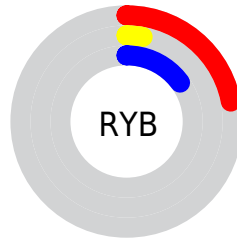
The YIQ color **25.9570, 19.8950, 19.4070** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **39.0430, -19.8950, -19.4070**, and the grayscale version is **26.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **73.3270, 21.7290, 19.2090**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **22.2070, 22.1870, 21.9230**, and if you desaturate by 10%, it is **29.7070, 17.6030, 16.8910**.

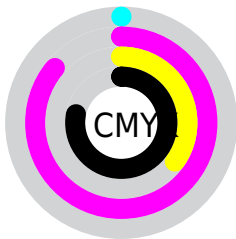
# Distribution



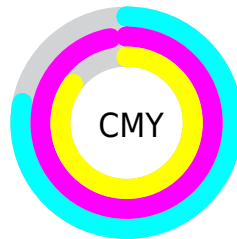
- Red (22%)
- Green (3%)
- Blue (15%)



- Red (22%)
- Yellow (3%)
- Blue (15%)



- Cyan (0%)
- Magenta (86%)
- Yellow (35%)
- Black (78%)



- Cyan (78%)
- Magenta (97%)
- Yellow (85%)

# Brightness & Saturation Gradients


These gradients show how the YIQ color 25.9570, 19.8950, 19.4070 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 25.9570, 19.8950, 19.4070 by changing the saturation by 10% instead.





 25.9570, 19.8950,  
19.4070


 25.9570, 19.8950,  
19.4070


 245.0210, 4.6750,  
8.8910


 13.1860, 17.5120,  
13.0320


 73.6260, 22.3250,  
19.4210

 0.0000, 0.0000,  
0.0000

 97.6370, 23.7920,  
20.3680

 122.9360, 24.3880,  
20.5800


 149.5340, 25.5800,  
21.0040


 176.2460, 26.4510,  
21.7390


 203.9580, 27.3220,


22.4740


 226.8750, 17.1900,  
18.8700


 25.9570, 19.8950,  
19.4070


 25.9570, 19.8950,  
19.4070


 22.2070, 22.1870,  
21.9230


 29.7070, 17.6030,  
16.8910

 20.9190, 23.0580,  
22.6580

 32.9840, 15.2650,  
15.2090

 36.7340, 12.9730,  
12.6930

 40.4840, 10.6810,  
10.1770

 43.7610, 8.3430,  
8.4950

■ 47.5110, 6.0510,  
5.9790

■ 51.2610, 3.7590,  
3.4630

■ 55.1250, 1.1460,  
1.2580

■ 58.2880, -0.8710,  
-0.7350

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.2800, 2.7480, 16.2840



25.9570, 19.8950, 19.4070



24.4000, 28.6530, 14.8690

# Triad

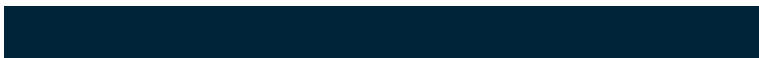
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.9570, 19.8950, 19.4070



26.2700, 7.5670, -10.4890



27.4020, -27.5550, -1.7230

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.9570, 19.8950, 19.4070



39.0430, -19.8950, -19.4070

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



26.1650, -22.6940, -7.2220



25.9570, 19.8950, 19.4070



21.4530, -6.3700, -16.7220

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.9570, 19.8950, 19.4070



26.9450, 19.0280, -3.4360



23.8850, -16.2740, -13.4420



26.7810, -29.9400, 2.9560



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.9570, 19.8950, 19.4070



24.3860, 31.2680, 6.0200



23.8850, -16.2740, -13.4420



26.8320, -25.9500, -3.2780

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.9570, 19.8950, 19.4070



61.9350, 7.7930, 7.4490



19.5660, -3.8090, 19.4790



30.3860, 4.9050, 4.7210



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.9570, 19.8950, 19.4070



27.1420, 29.9800, 29.3720



23.2210, 27.5990, 11.9430



26.1250, 1.1460, 1.2580



33.6640, 37.4980, 36.2980



80.3010, 88.7940, 86.8580



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.9570, 19.8950, 19.4070



27.1420, 29.9800, 29.3720



41.7790, -27.5990, -11.9430



26.1250, 1.1460, 1.2580



33.6640, 37.4980, 36.2980

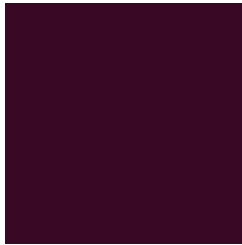


80.3010, 88.7940, 86.8580



# Previews

## White Background



This preview shows how the YIQ color 25.9570, 19.8950, 19.4070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

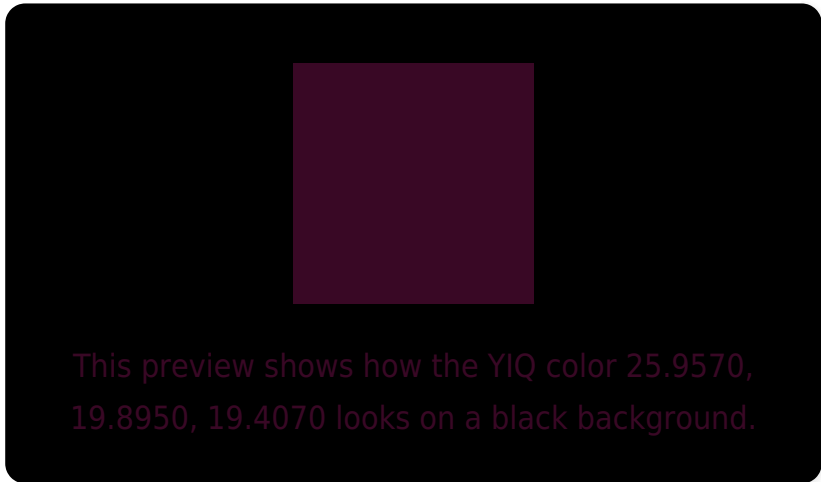
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

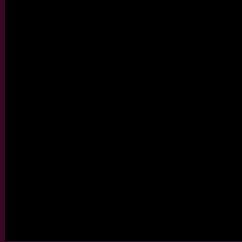
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 25.9570, 19.8950, 19.4070

## Background



This preview shows how black text looks on a background with the YIQ color 25.9570, 19.8950, 19.4070.



This preview shows how white text looks on a background with the YIQ color 25.9570, 19.8950,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

25.9570, 19.8950, 19.4070

### Protanopia

30.1160, -11.8300, 5.1460

### Deuteranopia

31.1680, -0.4130, 1.9790



## Tritanopia

28.0740, 23.5190, 8.7910

# Trichromacy



## Original Color

25.9570, 19.8950, 19.4070

## Protanomaly

28.7370, -0.2770, 10.5310

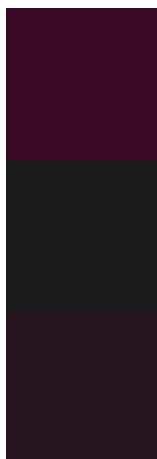
## Deuteranomaly

29.2770, 6.8300, 8.3820

## Tritanomaly

27.1110, 22.0970, 12.5370

# Monochromacy



## Original Color

25.9570, 19.8950, 19.4070

## Achromatopsia

26.0000, -0.0000, -0.0000

## Achromatomaly

25.6360, 7.1970, 7.2370

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 25.9570, 19.8950, 19.4070 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(57, 8, 37)` looks like.

```
.text, #text, p{  
    color:rgb(57, 8, 37)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(57, 8, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 8, 37) }
```

## Border

The CSS property to change the border of an element to YIQ 25.9570, 19.8950, 19.4070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(57, 8, 37) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(57, 8, 37) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(57, 8, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 8, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(57, 8, 37); box-shadow:4px  
4px 4px 4px rgb(57, 8, 37) }
```

# Background

The CSS property to change the background color of an element to YIQ 25.9570, 19.8950, 19.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 8, 37) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(57, 8,  
37) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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